Original/Duplicate/Triplicate

SBR No. 71/23-24
DATED 23-11-2023

CONTRACT CERTIFICATE

No.**11th** Ra bill (For Other Works) Date.....2023

Division: **Electrical (yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Job Code :-004-22-000011**

Schedule Docket No. Head of Account : P 0300 M&R to Street lights- Replacement of Burny bulbs etc
D.R.No. : **Period: 01-07-203 to 31-10-2023 (For 4 Months)**

Name of Work : - *Annual Maintenance and repairs of street lights in ward no 04 Package Y-04 of Yelahanka Zone"*

Name of Contractor and Full Address:**M/S. Suraksha Electricals**
Reference to Agreement No:EE/Ele/YZ/AG/000004/2022-23 Date:01/04/2022
Reference to Work order No:EE/Ele/YZ/WO/000004/2022-23 Date:01/04/2022
Supplymentary Work order No:- EE/Ele/YZ/WO/000004/2023-24 Dated 01-04-2023

Certified that the measurements were taken by me on and recorded of Pages 260436 to 260437 of measurement Book No. 2605/23-24 and that the work is satisfactorily executed.

For M/s. Suraksha Electricals
Proprietor

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on .....and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)
Bangalore

Sub Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	UP.DT	7186379.65
2) Deduct amount to be held in reserve being .....percent Rs.....	P.Bill	5894189.07
3) " Balance		1294190:00
4) Deduct Payment:	ITHRAE!	
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	IT 1%	12942:00
	LWC 1%	12942:07
	CBF 0.1%	1294:00
	CGST 1%	12942:00
	SGST 1%	12942:00
	Fine	14000:00
b) Payments Now made cost store or other material supplied. recovery of amount creditable to this/other work. Amount paid on this bill Cheque / Cash.	Security	25884:00
	Deduction	92946:00
	Payment	1201244:00
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.		
7) Net amount due to or from Contractor unadjusted		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.		
Total amount adjusted		

For M/s. Suraksha Electricals
Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

(For use in the Office)

Witness
1.
2.

For M/s. Suraksha Electricals
Proprietor

Dated Signature of Contractor

Stamp

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....

Initials of Officer making payment

ಶೀರ್ಷಿಕೆ P0300 Maint+Stgt
ರೂ. 1294190:00 ರಷ್ಟು ಮಾತ್ರ ಸ್ವೀಕರಿಸಿದೆ
ರೂ. 1201244:00 ಕ್ಕೆ ನೀಡಬಹುದಾಗಿದೆ
ರೂ. 92946:00 ಹಿಂಪಡೆಯಲು ಮಾಡಿದೆ

Executive Engineer

23/11/23

ಸಿ ಎಂಜಿನಿಯರ್ ಕಾ.ನಿ.ಇ.(ವಿ) ಯಲಹಂಕ ವಲಯ

Sl. No.	Description of item	Unit
	Name of Work :-Annual Maintenance and repairs of street lights in ward no 04 Package Y -04 of Yelahanka Zone	
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting	Each
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems.	Each
5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc ., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc ., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems.	Each
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc ., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc ., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system.	Each

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
		4	Months		Upto Date paid so for 19 Months		
0	0	0	57.12	0.00	0	0.00	
0	0.00	0	63.02	0.00	0	0.00	
2136x15 Months	2721798.00	2136	84.95	725812.80	2136x19 Months	3447610.80	
202x15 Months	225844.08	0	93.17	0.00	202x19 Months	225844.08	
0	0.00	0	73.33	0.00	0	0.00	
98x15 Months	139885.20	98	95.16	37302.72	98x19 Months	177187.92	
1034x15 Months	1780548.00	1034	114.80	474812.80	1034x19 Months	2255360.80	
163 x15 Months	31511.76	16	131.30	8403.14	163 x19 Months	39914.90	

9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system	Each
10	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole Upto 5Mtr street light pole	Nos
11	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole 8Mtr and above street light pole	Nos
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100Amps 25kA	Each
13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets 260mmx210mmx116mm	Each
14	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source LED Floodlight 240W	Nos
15	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat .... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40x40x6mm	Mtr
16	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps	Nos
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP	Each
	TOTAL	
	Add GST 18 % on item no 10 to 18	0.00
	TOTAL Rs	
	Fine imposed for non burning of street lights For the period of 1/07/2023 to 31/10/2023	
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material	
	GRAND TOTAL	

Certificate

The above said monthly maintenance work has been carried out satisfactorily

0	0.00	0	155.95	0.00	0	0.00	
0	0.00	0	550.00	0.00	0.00	0.00	
235	180950.00	0	770.00	0.00	235.00	180950.00	
19	86070.00	0	4530.00	0.00	19.00	86070.00	
18	36972.00	0	2054.00	0.00	18.00	36972.00	
23	423200.00	0	18400.00	0.00	23.00	423200.00	
25.00	6375.00	0	255.00	0.00	25.00	6375.00	
10.00	72000.00	0	7200.00	0.00	10.00	72000.00	
10	40300.00	0	4030.00	0.00	10.00	40300.00	
14	10122.00	0	723.00	0.00	14.00	10122.00	
	5755576.04			**1246331.46**		**7001907.50**	
	138613.03	-12%	149559.77	1096771.68	add 6%	186472.15	
	5894189.07	18%	197418.90	**1294190.58**	GST(18%-12%)	**7188379.65**	
	56500.00			14000.00		70500.00	
	98709.63			25883.81		124593.44	
	5738979.44			**1254306.77**		**6993286.21**	

Assistant [illegible] (Elec)
BBMP, Bangalore